

# Geotechnical Investigation Methods

### Drill Rig

The standard method for geotechnical investigations, a machine is used to drill below the ground surface to determine the presence of rock. This process involves drilling a hole roughly 4 inches in diameter and upward of 30 feet deep.



### Hand Auger

In areas where space is limited, this tool is used manually to determine the presence of rock. This alternative method has a depth limitation of 10 feet.

### Refraction Microtremor (ReMi)

This alternative method uses seismic vibrations to generate a profile of the subsurface conditions.

